```
* * * * * * * * *   Welcome to STN International   * * * * * * * * * * *
```

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	May 12	EXTEND option available in structure searching
NEWS 4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 6	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS 7	Jun 22	STN Patent Forums to be held July 19-22, 2004
NEWS 8	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
NEWS 9	Jun 28	ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)

NEWS EXPRESS	MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * * *
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FILE 'HOME' ENTERED AT 03:56:14 ON 08 JUL 2004

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 03:56:21 ON 08 JUL 2004
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 JUL 2004   HIGHEST RN 705249-96-3
DICTIONARY FILE UPDATES: 6 JUL 2004   HIGHEST RN 705249-96-3

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more

information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html
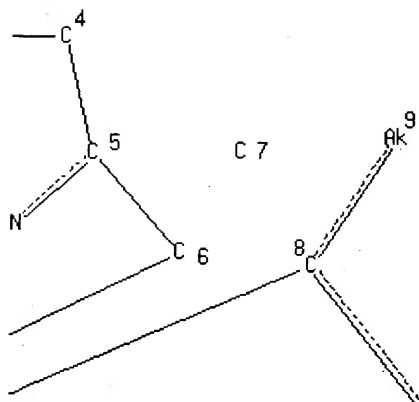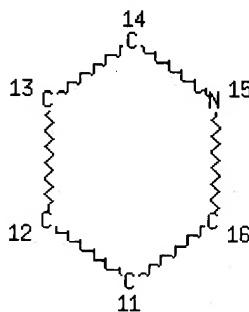
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=>
L1          STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1                  STR
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Page 1-A

Page 1-B

G20
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Page 2-A

Ak
@10

@20
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@19
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@18
C

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@17

Page 2-B

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@22

Page 2-C

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VPA 10-17/18/19/20/21/22 S
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NSPEC    IS C       AT  23
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MLEVEL   IS CLASS AT     6   7   8   9 10
DEFAULT ECLEVEL IS LIMITED


GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS  23

STEREO ATTRIBUTES: NONE



=> s l1
SAMPLE SEARCH INITIATED 04:01:06 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   6135 TO ITERATE

 16.3% PROCESSED    1000 ITERATIONS                         0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01


FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:      118005 TO    127395
PROJECTED ANSWERS:              0 TO         0


L2            0 SEA SSS SAM L1

=> s l1 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 04:01:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 124961 TO ITERATE

100.0% PROCESSED  124961 ITERATIONS                        4 ANSWERS
SEARCH TIME: 00.00.08


L3            4 SEA SSS FUL L1

=> file hcaplus
COST IN U.S. DOLLARS                      SINCE FILE      TOTAL
                                             ENTRY       SESSION
FULL ESTIMATED COST                         158.36        158.57

FILE 'HCAPLUS' ENTERED AT 04:01:22 ON 08 JUL 2004
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FILE COVERS 1907 - 8 Jul 2004   VOL 141 ISS 2
FILE LAST UPDATED: 7 Jul 2004   (20040707/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.


```
=> s l3
L4              2 L3

=> s l4 and mullican, m?/au
          57 MULLICAN, M?/AU
L5              0 L4 AND MULLICAN, M?/AU

=> s l4 and lauffer, d?/au
          46 LAUFFER, D?/AU
L6              0 L4 AND LAUFFER, D?/AU

=> s l4 and tung, r?/au
         302 TUNG, R?/AU
L7              0 L4 AND TUNG, R?/AU

=> d l4, ibib abs fhitstr, 1-2
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L4   ANSWER 1 OF 2   HCAPLUS   COPYRIGHT 2004 ACS on STN

Full Text	Citing References

ACCESSION NUMBER: 2001:185778   HCAPLUS
DOCUMENT NUMBER: 134:237837
TITLE: Preparation of dolastatin peptides
INVENTOR(S):   Petit, George R.; Srirangam, Jayaram K.; Williams,
                             Michael D.; Durkin, Kieran P. M.; Barlozzari, Teresa;
                             Kling, Andreas; Janssen, Bernd; Haupt, Andreas
PATENT ASSIGNEE(S):   Basf Aktiengesellschaft, Germany; Arizona Board of
                             Regents
SOURCE: PCT Int. Appl., 55 pp.
   CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001018032	A2	20010315	WO 2000-US24658	20000908
WO 2001018032	A3	20020711		

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              CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
              HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
              LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
              SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
              YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
          RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
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DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
US 6323315   B1   20011127   US 2000-539935   20000331
PRIORITY APPLN. INFO.:   US 1999-394962   A1 19990910
                                        US 2000-539935   A1 20000331
OTHER SOURCE(S):   MARPAT 134:237837
GI

I
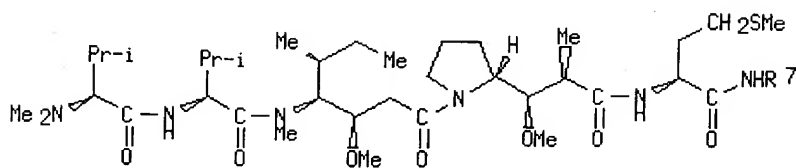
AB   Peptides R1R2NCHR3CONHCHR4CONMeCHR5CH(OMe)CH2CONRCHRCH(OMe)CHMeCO-An-NR6R7
     [R2 = (CH2)3; R1-R5 are each independently H or C1-C6 alkyl; A is a
     methionyl, phenylalanyl or phenylglycyl residue; n is 0 or 1; R6 is H and
     R7 is a carbocyclic, arom., alkyl, pyridylalkyl, or heterocyclic group or
     R6 is benzyl or carbalkoxy and R7 is 2-thiazolyl] or their
     pharmaceutically acceptable salts were prepd. for use as cell growth
     inhibitors. Thus, I [R7 = bicyclo[3.3.0]octan-1-yl] was prepd. by soln.
     phase methods and evaluated for in vitro cytotoxicity against a panel of
     cultured cancer cell lines, including OVCAR-3 (ovarian cancer), ED50 = 3.1
   x 10-4 µg/mL.
IT   329792-17-8P
     RL: BAC (Biological activity or effector, except adverse); BSU (Biological
     study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);
     BIOL (Biological study); PREP (Preparation); USES (Uses)
        (prepn. of dolastatin peptides)
RN   329792-17-8 HCAPLUS
CN   L-Valinamide, N,N-dimethyl-L-valyl-N-[(1S,2R)-4-[(2S)-2-[(1R,2R)-3-[1,4'-
     bipiperidin]-1'-yl-1-methoxy-2-methyl-3-oxopropyl]-1-pyrrolidinyl]-2-
     methoxy-1-[(1S)-1-methylpropyl]-4-oxobutyl]-N-methyl- (9CI)   (CA INDEX
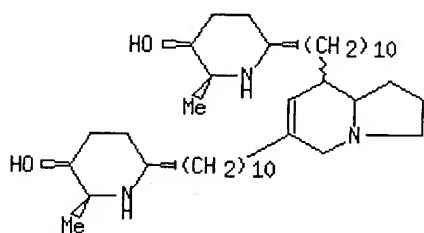   NAME)

Absolute stereochemistry. Rotation (-).
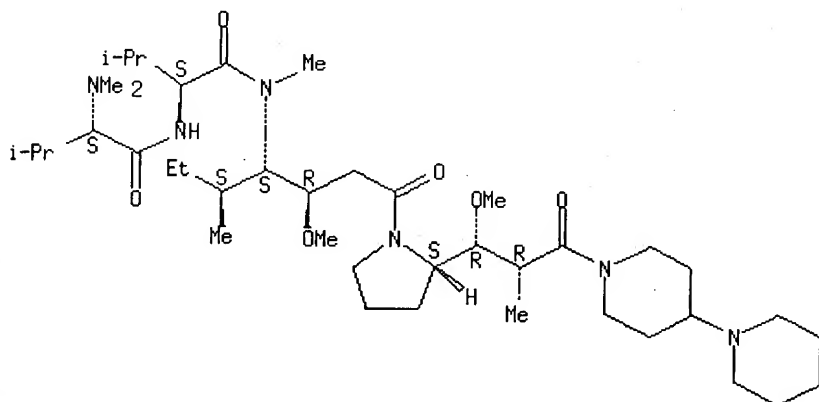
L4   ANSWER 2 OF 2   HCAPLUS   COPYRIGHT 2004 ACS on STN
Full   Citing
Text   References
ACCESSION NUMBER: 1981:44042   HCAPLUS
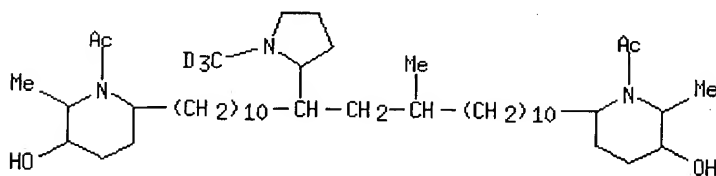DOCUMENT NUMBER: 94:44042

I

AB   A new alkaloid, juliprosopine (I) was isolated from P. juliflora and its
     structure elucidated. The piperidine moiety could be elucidated by
     spectroscopic data (mass spectroscopy, 1H-NMR, 13C-NMR) of I and various
     derivs. The central hexahydroindolizine part and its substitution pattern
     were detd. mainly by the Hofmann-degrdn. product. I is built up in nature
     by 2 monomeric Prosopis alkaloids and 1 dihydropyrrol unit.
IT 76202-04-5P
     RL: SPN (Synthetic preparation); PREP (Preparation)
         (prepn. of)
RN   76202-04-5   HCAPLUS
CN   3-Piperidinol, 6,6'-[11-methyl-13-[1-(methyl-d3)-2-pyrrolidinyl]-1,23-
     tricosanediyl]bis[1-acetyl-2-methyl- (9CI)   (CA INDEX NAME)

=> file caold

```
FILE COVERS 1907-1966
FILE LAST UPDATED:  01 May 1997 (19970501/UP)

   This file contains CAS Registry Numbers for easy and accurate
   substance identification.  Title keywords, authors, patent
   assignees, and patent information, e.g., patent numbers, are
   now searchable from 1907-1966.  TIFF images of CA abstracts
   printed between 1907-1966 are available in the PAGE
   display formats.

   This file supports REG1stRY for direct browsing and searching of
   all substance data from the REGISTRY file.  Enter HELP FIRST for
   more information.

=> d his

      (FILE 'HOME' ENTERED AT 03:56:14 ON 08 JUL 2004)

      FILE 'REGISTRY' ENTERED AT 03:56:21 ON 08 JUL 2004
L1                STRUCTURE UPLOADED
L2            0 S L1
L3            4 S L1 FULL

      FILE 'HCAPLUS' ENTERED AT 04:01:22 ON 08 JUL 2004
L4            2 S L3
L5            0 S L4 AND MULLICAN, M?/AU
L6            0 S L4 AND LAUFFER, D?/AU
L7            0 S L4 AND TUNG, R?/AU

      FILE 'CAOLD' ENTERED AT 04:03:14 ON 08 JUL 2004

=> s l3
L8            0 L3

=> file bielstein
'BIELSTEIN' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'CAOLD'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available.  If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.

=> file beilstein
COST IN U.S. DOLLARS                      SINCE FILE       TOTAL
                                            ENTRY         SESSION
FULL ESTIMATED COST                          0.42         176.41

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE       TOTAL
                                            ENTRY         SESSION
CA SUBSCRIBER PRICE                          0.00          -1.47

FILE 'BEILSTEIN' ENTERED AT 04:03:27 ON 08 JUL 2004
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FILE RELOADED ON OCTOBER 20, 2002
FILE LAST UPDATED ON JUNE 15, 2004

FILE COVERS 1771 TO 2003.
 FILE CONTAINS  8,997,153 SUBSTANCES
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>>> PLEASE NOTE: Reaction data and substance data are stored in
    separate documents and can not be searched together in one
    query.
    Reaction data for BEILSTEIN compounds may be displayed
    immediately with the display codes PRE (preparations) and REA
    (reactions). A substance answer set retrieved after the search
    for a chemical name, a molecular formula or a structure search
    for example can be restricted to compounds with available
    reaction information by concatenation with PRE/FA, REA/FA or
    more general with RX/FA. The BEILSTEIN Registry Number (BRN)
    is the link between a BEILSTEIN compound and belonging reactions.
    For more detailed reaction searches BRNs can be selected from
    substance answer sets and searched in the next step as reaction
    partner BRNs - Reactant (RX.RBRN) or Product BRN (RX.PBRN).
    After a search for reaction details substance documents
    associated with reactants or products may be retrieved by
    searching RX.PBRNs or RX.RBRNs as BRNs. <<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

****
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST.   *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE   *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS.   *
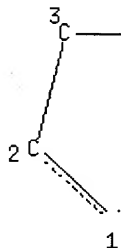* FOR PRICE INFORMATION SEE HELP COST   *
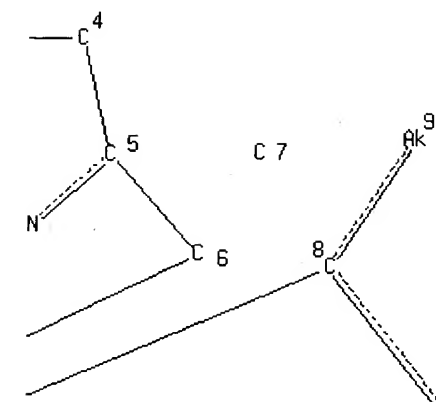***

=>
L9   STRUCTURE UPLOADED

=> d 19
L9 HAS NO ANSWERS
L9   STR

Page 1-A

14
C

13 C   N 15

12 C   C 16

C
11

C 4

C 5   C 7   Ak 9

N

C 6   8 C

Page 1-B

G20
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Page 2-A

Ak
@10

@20
C

@19 C   C

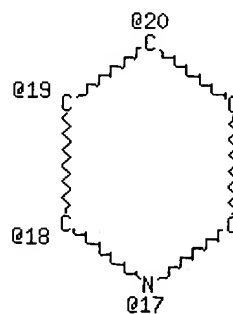@18 C   C

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@17

Page 2-B

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@21



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    Page 2-C
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    NSPEC    IS R       AT   22
    NSPEC    IS C       AT   23
    DEFAULT MLEVEL IS ATOM
    MLEVEL    IS CLASS AT    6   7   8   9  10
    DEFAULT ECLEVEL IS LIMITED

    GRAPH ATTRIBUTES:
    RSPEC I
    NUMBER OF NODES IS  23

    STEREO ATTRIBUTES: NONE



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    SAMPLE SCREEN SEARCH COMPLETED -    285 TO ITERATE

    100.0% PROCESSED    285 ITERATIONS                        0 ANSWERS
    SEARCH TIME: 00.00.04

    FULL FILE PROJECTIONS:   ONLINE   **COMPLETE**
                             BATCH    **COMPLETE**
    PROJECTED ITERATIONS:         4688 TO      6712
    PROJECTED ANSWERS:               0 TO         0

    L10            0 SEA SSS SAM L9

    =>
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